FIG. 1
(PRIOR ART)

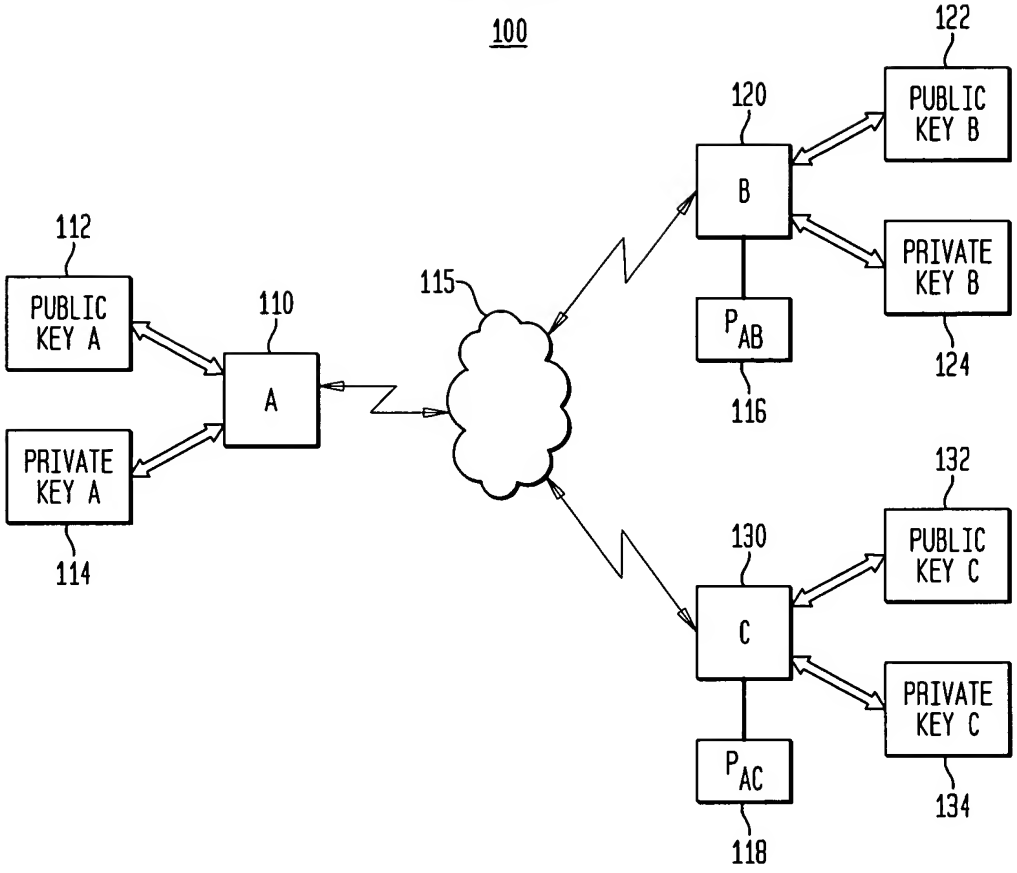


FIG. 2
(PRIOR ART)
200

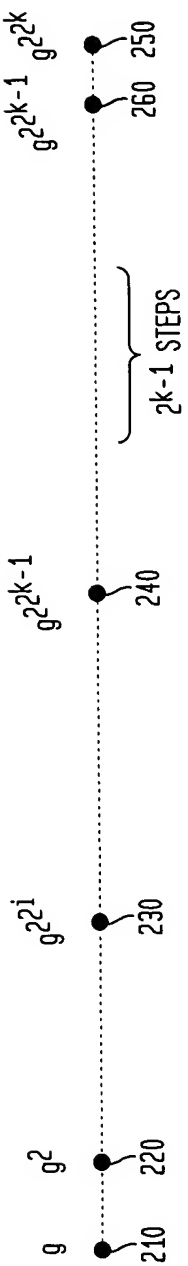


FIG. 3
300

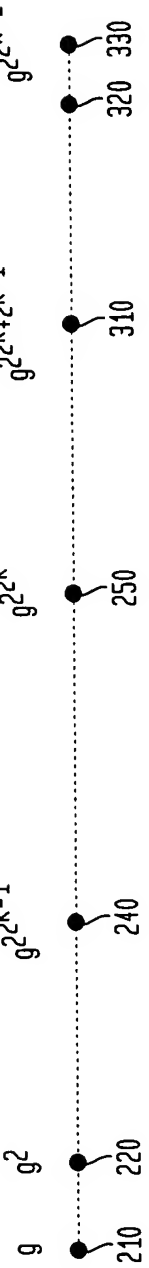


FIG. 4

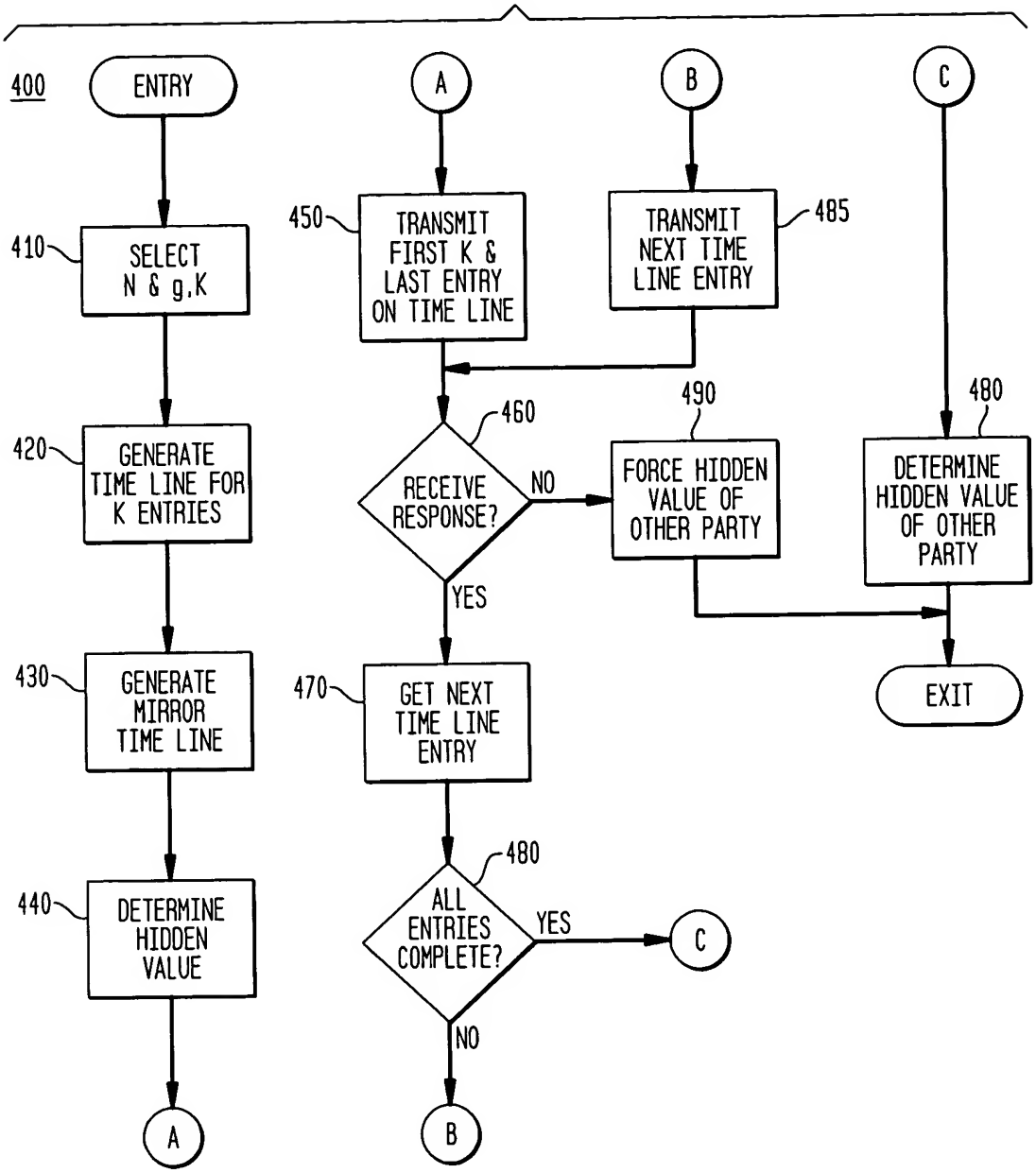

400
ENTRY
410
SELECT N & g,K
420
GENERATE TIME LINE FOR K ENTRIES
430
GENERATE MIRROR TIME LINE
440
DETERMINE HIDDEN VALUE
A
A
450
TRANSMIT FIRST K & LAST ENTRY ON TIME LINE
460
RECEIVE RESPONSE?
NO
YES
470
GET NEXT TIME LINE ENTRY
480
ALL ENTRIES COMPLETE?
YES
NO
C
B
B
485
TRANSMIT NEXT TIME LINE ENTRY
490
FORCE HIDDEN VALUE OF OTHER PARTY
C
480
DETERMINE HIDDEN VALUE OF OTHER PARTY
EXIT

FIG. 5

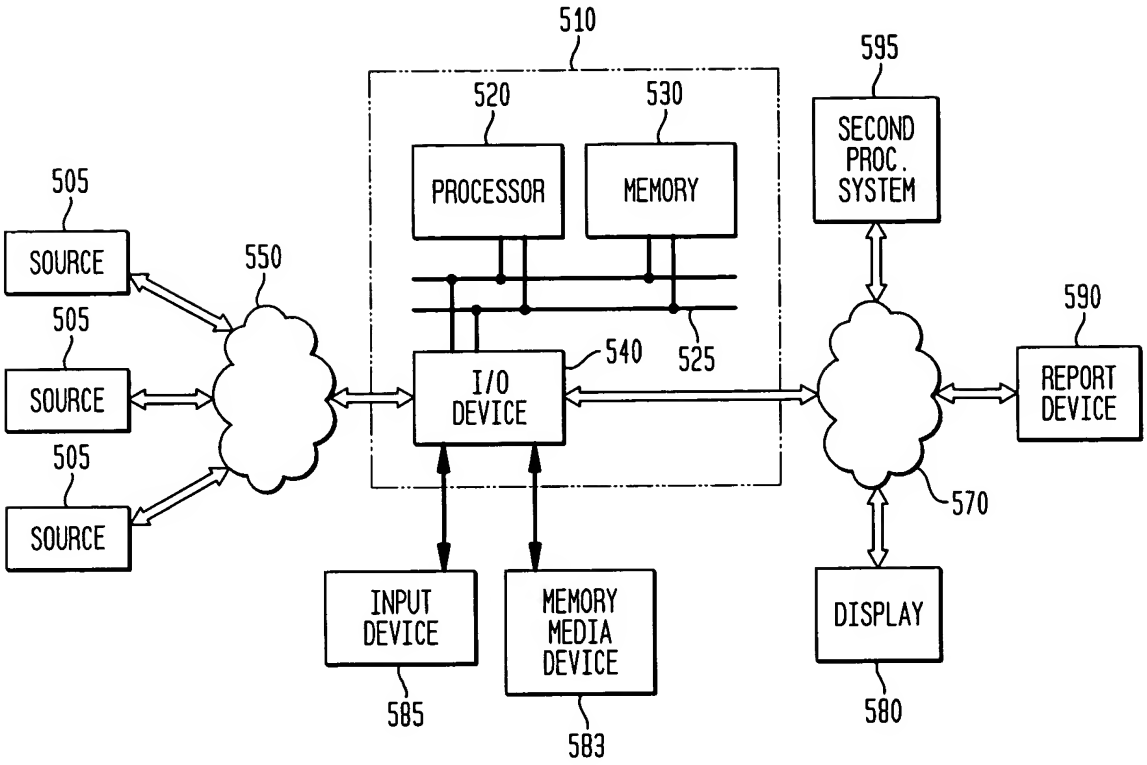
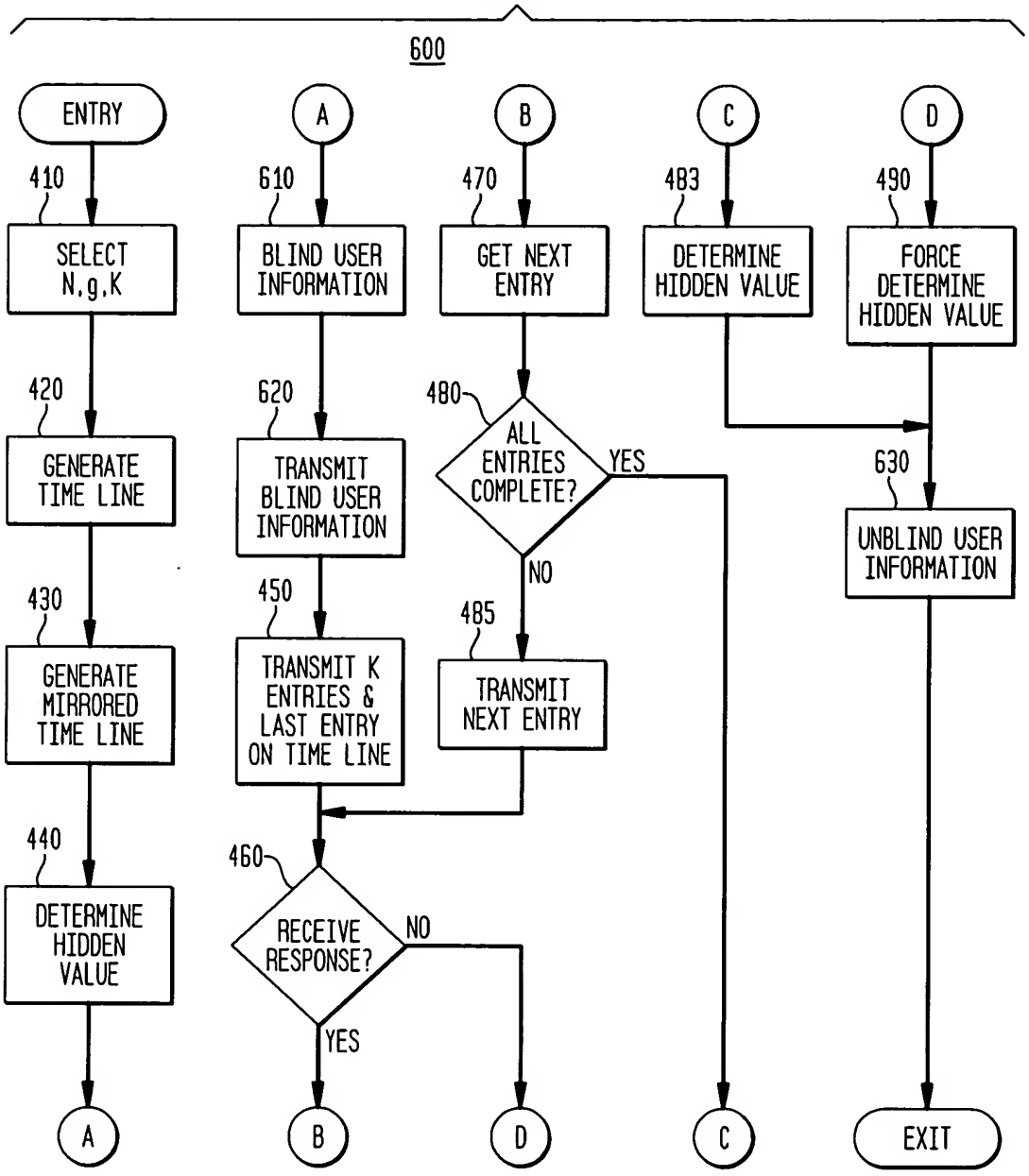

500
510
595
520
530
SECOND PROC. SYSTEM
PROCESSOR
MEMORY
505
SOURCE
550
590
505
SOURCE
540
525
I/O DEVICE
REPORT DEVICE
505
SOURCE
570
INPUT DEVICE
MEMORY MEDIA DEVICE
DISPLAY
585
583
580

FIG. 6


600
ENTRY
410
SELECT N,g,K
420
GENERATE TIME LINE
430
GENERATE MIRRORED TIME LINE
440
DETERMINE HIDDEN VALUE
A
A
610
BLIND USER INFORMATION
620
TRANSMIT BLIND USER INFORMATION
450
TRANSMIT K ENTRIES & LAST ENTRY ON TIME LINE
460
RECEIVE RESPONSE?
NO
YES
B
B
470
GET NEXT ENTRY
480
ALL ENTRIES COMPLETE?
YES
NO
485
TRANSMIT NEXT ENTRY
D
C
483
DETERMINE HIDDEN VALUE
C
D
490
FORCE DETERMINE HIDDEN VALUE
630
UNBLIND USER INFORMATION
EXIT